

DAILY FIELD ACTIVITIES SUMMARY REPORT			
PROJECT NAME: R&H Oil/Tropicana Energy Site, San Antonio, Texas			
Date: 05/23/11	Shift Beginning: 13:30 hours		Shift Ending: 17:30 hours
RAC II Contract No.: EP-W-06-004		Task Order No.: 0074	
EPA Region 6 TOM: Chris Villarreal		Project Manager: Ted Telisak	
Design Manager: N/A		Site Geologist: Teri McMillan	
Design Engineer: N/A		Site Engineer: N/A	
Personnel on site	Name	Affiliation	Reason for being on site
EA:	Teri McMillan	EA	Drilling Oversight
Subcontractors:	---	Vortex	Driller
Other:	Chris Villarreal Chris Moore Tim Nickels Roberta McClure	EPA PBW PBW PBW	Drilling Oversight Environmental Consultant Environmental Consultant Environmental Consultant
Work Performed			
<p>Pastor, Behling & Wheeler, LLC (PBW) is the environmental consultant that is conducting the remedial investigation field activities. EA is providing oversight of field activities on behalf of EPA.</p> <p>Upon our arrival at the site, PBW informed EPA and EA that one monitoring well was installed using a Geoprobe® outfitted with hollow stem augers. Installing the monitoring well using the Geoprobe® was not efficient; therefore, PBW decided it would be more efficient to only advance soil boring at all well locations to lithologically log and collect soil samples for laboratory analysis. A larger drilling rig is scheduled to arrive at the site tomorrow to install the monitoring wells adjacent to the soil borings that were previously advanced.</p> <p>EA oversaw the advancement of four borings (MW-18, MW-14, MW-12 and NMW-1) using a Geoprobe®. All four soil borings were advanced to a total depth of 25 feet bgs. Soil samples were collected in 5 foot long acetate sleeves. PBW logged, collected headspace measurements with a PID every 2 feet, and collected three soil samples from each boring at the following intervals:</p> <p>0-0.5 feet bgs – collected by first clearing the upper 1 to 2 inches of top soil and then samples collected.</p> <p>0.5 – 5 feet bgs – collected a soil sample from this interval based on olfactory and visual observations. It was mentioned to EPA and PBW that the work plan specified that this interval should be from 0.5 to 4 feet bgs. PBW corrected their procedure after NMW-1.</p> <p>5- 25 feet bgs – vadose zone based on highest headspace measurement obtained by using a PID.</p> <p>Soil samples were to be submitted for analysis of TPH, VOCs (Terra Core Method), SVOCs and RCRA 8 Metals.</p> <p>Borehole MW-18 was backfilled with bentonite and hydrated. The remaining boreholes MW-14, MW-12, and NMW-1 were left open and borehole temporarily covered. The water level was to be measured in well MW-14 prior to PBW leaving the site. Due to the tight nature of the soils beneath the site the saturated zone is difficult to discern in the soil samples. The water level was measured in well MW-1 and was approximately 17 feet bgs. PBW stated that the water level had previously been at approximately 14 feet bgs.</p> <p>The location of MW-12 was adjusted in the field due to the presence of bees in the area. In addition, at boring MW-12 the upper two feet of soil was collected for geotechnical analysis, as well as collecting a 1-</p>			

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2' sample in an acetate sleeve to be analyzed for a vapor transport package.
Boring NMW-1 had visible oil staining present from approximately 10 feet to 25 feet. PBW indicated that minor staining (oil sheen) was present in the other three borings.
Anticipated Activities for the Following Day
Continue oversight of Geoprobe® and monitoring well installation activities.
Report prepared by (name and date)
Teri McMillan 5/23/11